

Santa Fe Main Office

Phone: (505) 476-3441 Fax: (55) 476-3462

General Information

Phone: (505) 629-6116

Online Phone Directory Visit:

<https://www.emnrd.nm.gov/ocd/contact-us/>State of New Mexico
Energy, Minerals and Natural ResourcesForm C-103
Revised July 18, 2013OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505WELL API NO.
30-015-550015. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)1. Type of Well: Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

APACHE CORPORATION

3. Address of Operator

303 VETERANS AIRPARK LN #1000, MIDLAND, TX 79705

4. Well Location

Unit Letter I: 2452 feet from the SOUTH line and 750 feet from the EAST lineSection 25 Township 19S Range 27E NMPM County EDDY11. Elevation (Show whether DR, RKB, RT, GR, etc.)
GL: 3470'7. Lease Name or Unit Agreement Name
Camacho 25 26 State Com #335857

8. Well Number 203H

9. OGRID Number 873

10. Pool name or Wildcat #97569
WINCHESTER; BONE SPRING, WEST

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Apache request to change SHL and well path to adjust for off lease surf waivers and to accommodate Palmillo 300 wells.

(New plat, dir survey attached):

OLD SHL: 2482 FSL & 750' FEL OLD BHL: 1866' FNL & 50' FWL

NEW SHL: 2452' FSL and 750' FEL NEW BHL: 1910' FSL & 50' FWL

OLD SURF CSG: Hole: 17-1/2" Csg Sz: 13-3/8" Setting: 400' Sx Cmt: 212 TOC: 0'

OLD INTERM CSG: Hole: 12-1/4" Csg Sz: 9-5/8" Setting: 3000' Sx Cmt: 579 TOC: 0'

OLD PROD CSG: Hole: 8-1/2" Csg Sz: 5-1/2" Setting: 17880' Sx Cmt: 2758 TOC: 400'

NEW SURF CSG: Hole: 17-1/2" Csg Sz: 13-3/8" Top MD: 0' Setting: 370' Sx Cmt: 260 TOC: 0'

NEW INTERM CSG: Hole: 12-1/4" Csg Sz: 9-5/8" Top MD: 0' Setting: 3300' Sx Cmt: 901 TOC: 0'

NEW PROD CSG: Hole: 8-3/4" Csg Sz: 5-1/2" Top MD: 0' Setting: 7452' Sx Cmt: 511 TOC: 2800'

NEW PROD CSG: Hole: 8-1/2" Csg Sz: 5-1/2" Top MD: 7452' Setting: 17863' Sx Cmt: 1896 TOC: 7452'

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE _____ TITLE Regulatory Advisor – EH&S DATE 10/29/24

Type or print name Sorina L Flores E-mail address: sorina.flores@apachecorp.com PHONE: 432-818-1167

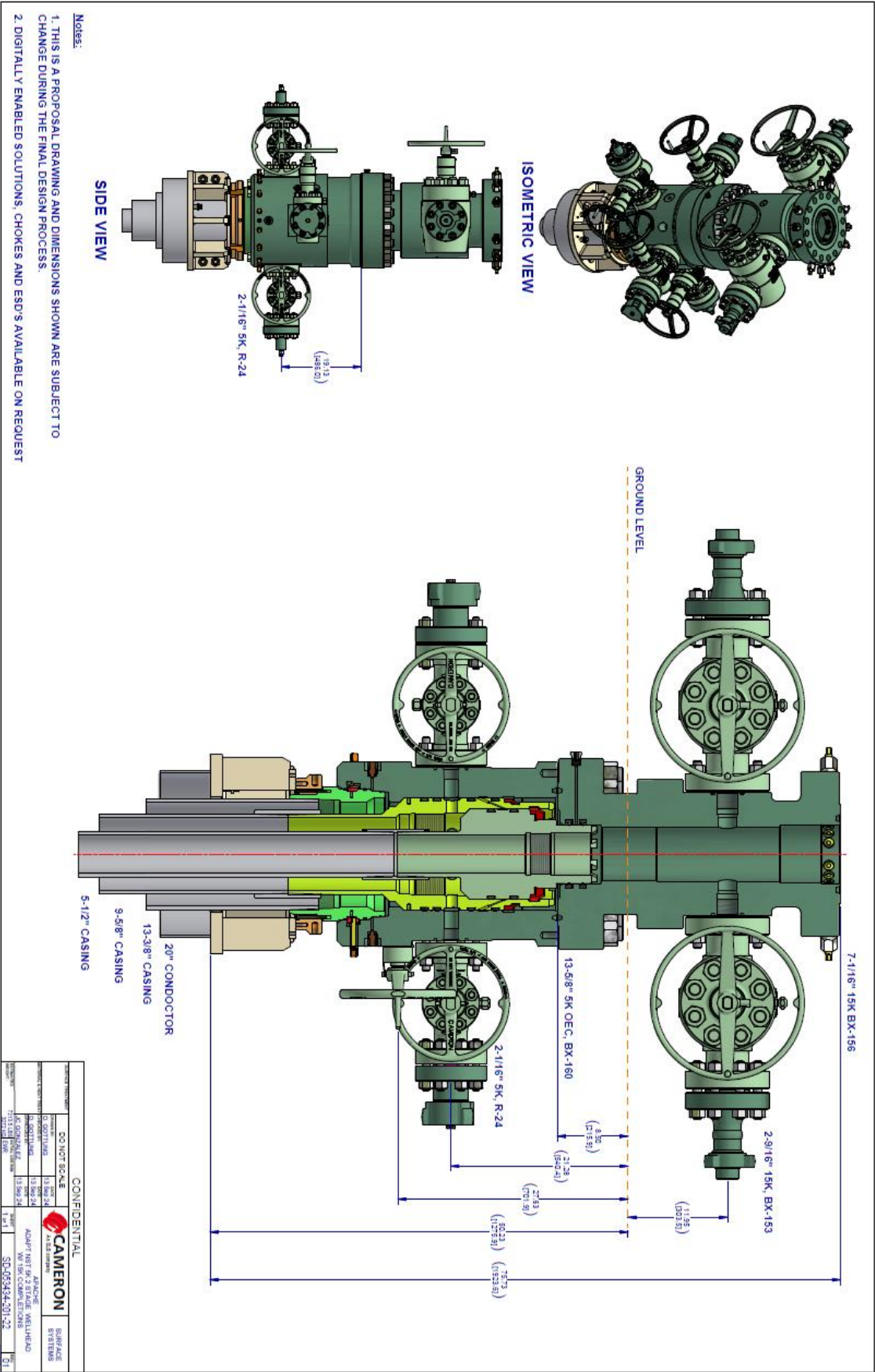
For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Apache Corp respectfully requests approval for the following changes and additions to the drilling plan:

1. Utilize a spudder rig to pre-set surface casing.
2. Description of Operations
 1. Spudder rig will move in their rig to drill the surface hole section and pre-set surface casing on the Camacho 25-26 State COM 203H
 - a. After drilling the surface hole section, the rig will run casing and cement following all the applicable rules and regulations (19.15.16 NMAC Drilling and Production).
 - b. Rig will utilize fresh water based mud to drill 17-1/2" surface hole to TD. Solids control will be handled entirely on a closed loop basis.
 2. The wellhead will be installed and tested once the 13-3/8" surface casing is cut off and the WOC time has been reached.
 3. A blind flange with the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with a pressure gauge installed on the wellhead.
 - a. A means for intervention will be maintained while the drilling rig is not over the well.
 4. Spudder rig operations is expected to take 1-2 days on a single well pad.
 5. The NMOCD will be contacted and notified 24 hours prior to commencing spudder rig operations.
 6. Drilling operations will be performed with the drilling rig. At that time an approved BOP stack will be nipped up and tested on the wellhead before drilling operations commences on each well.
 - a. The NMOCD will be contacted / notified 24 hours before the drilling rig moves back on to the pad with the pre-set surface casing.
 7. Apache Corp will have supervision over the rig to ensure compliance with all NMOCD regulations and to oversee operations.
 8. Once the rig is removed, Apache Corp will secure the wellhead area by placing a guard rail around the cellar area.



C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	☐ Initial Submittal
			☒ Amended Report
		☐ As Drilled	

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-55001	Pool Code 97569	Pool Name WINCHESTER, BONE SPRING, WEST
Property Code 335857	Property Name CAMACHO 25-26 STATE COM	Well Number 203H
OGRID No. 873	Operator Name APACHE CORPORATION	Ground Level Elevation 3470'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
I	25	19-S	27-E	-	2452' S	750' E	N 32.63069418	W 104.22633511	EDDY

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
L	26	19-S	27-E	-	1910' S	50' W	N 32.6296030	W 104.2580648	EDDY

Dedicated Acres 319.71	Infill or Defining Well I	Defining Well API - 30-015-55001	Overlapping Spacing Unit (Y/N) Y	Consolidated Code C
Order Numbers -			Well Setbacks are under Common Ownership: ☐ Yes ☐ No	

Kick Off Point (KOP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
L	30	19-S	27-E	-	1852' S	377' W	N 32.62903050	W 104.22269363	EDDY

First Take Point (FTP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
I	25	19-S	27-E	-	1870' S	100' E	N 32.6290551	W 104.2242434	EDDY

Last Take Point (LTP)

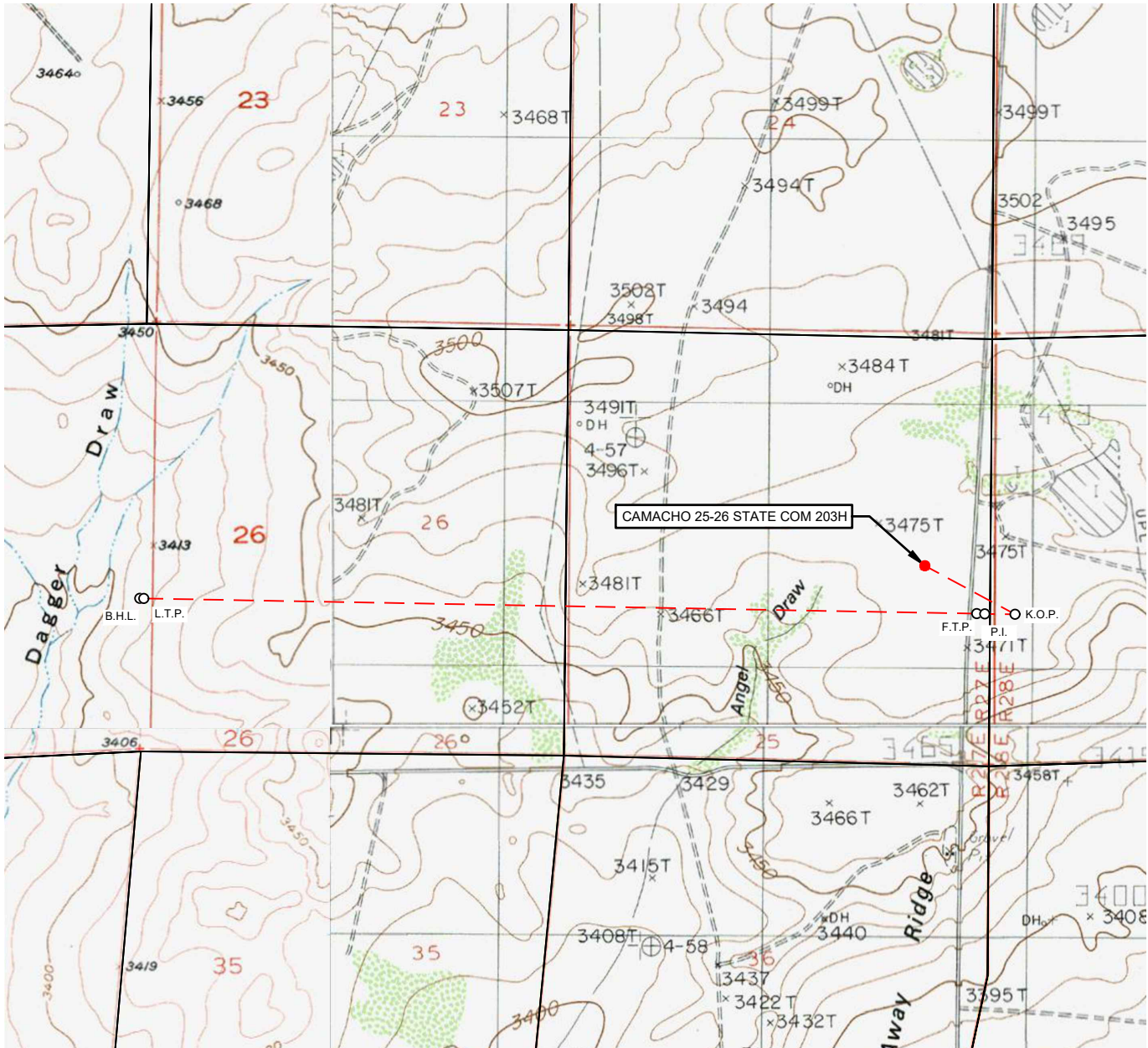
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
L	26	19-S	27-E	-	1910' S	100' W	N 32.62960034	W 104.25790238	EDDY

Unitized Area or Area of Uniform Intrest -	Spacing Unity Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation -
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OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief; and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>If this well is a horizontal well, I further certify that this organization has received The consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i> <i>Sorina L Flores</i> 11/5/24 Signature Date SORINA L FLORES Print Name sorina.flores@apachecorp.com E-mail Address		SURVEYORS CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>  Signature and Seal of Professional Surveyor Date Certificate Number Date of Survey 09/25/2024	
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LOCATION & ELEVATION VERIFICATION MAP



Apache

LEASE NAME & WELL NO.: CAMACHO 25-26 STATE COM 203H

SECTION 25 TWP 19-S RGE 27-E SURVEY N.M.P.M.
 COUNTY EDDY STATE NM ELEVATION 3470'
 DESCRIPTION 2452' FSL & 750' FEL

LATITUDE N 32.63069418 LONGITUDE W 104.22633511

SCALE: 1" = 2000'
 0' 1000' 2000'

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY APACHE CORPORATION. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.

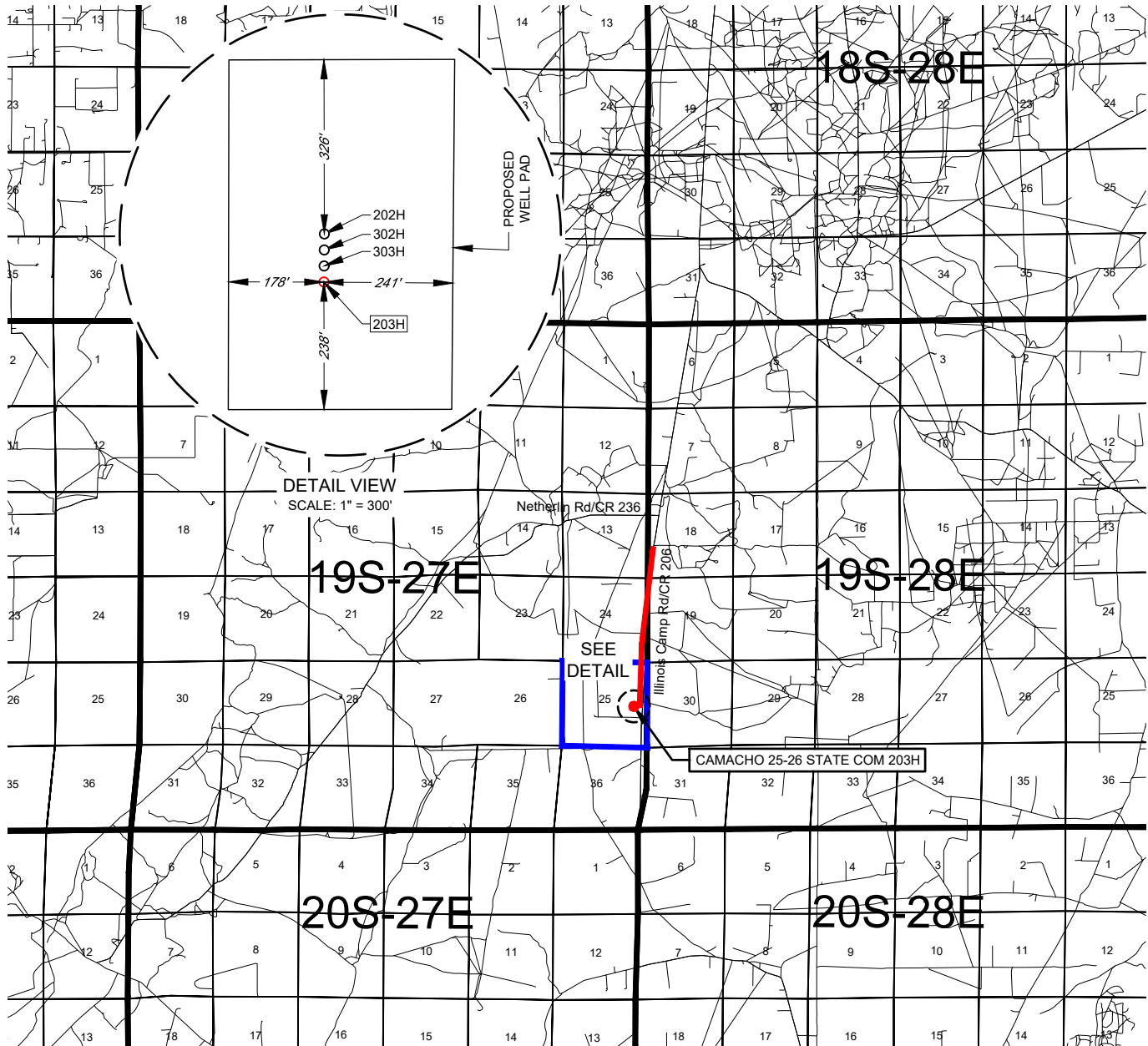
TOPOGRAPHIC
 LOYALTY INNOVATION LEGACY

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2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705

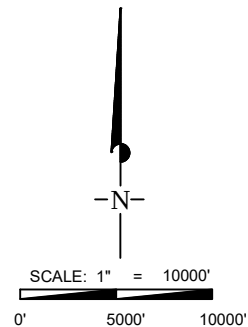
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
 WWW.TOPOGRAPHIC.COM

EXHIBIT 2
VICINITY MAP

LEASE NAME & WELL NO.: CAMACHO 25-26 STATE COM 203H

SECTION 25 TWP 19-S RGE 27-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM
DESCRIPTION 2452' FSL & 750' FEL

DISTANCE & DIRECTION

FROM INT. OF NETHERLIN RD/ CR-236. & ILLINOIS CAMP RD/ CR-206.
GO SOUTH ON ILLINOIS CAMP RD/ CR-206 ±2.0 MILES TO A POINT ±339
FEET EAST OF THE LOCATION.481 WINSBROOK ROAD, Ste. 200 • BENBROOK, TEXAS 76126
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
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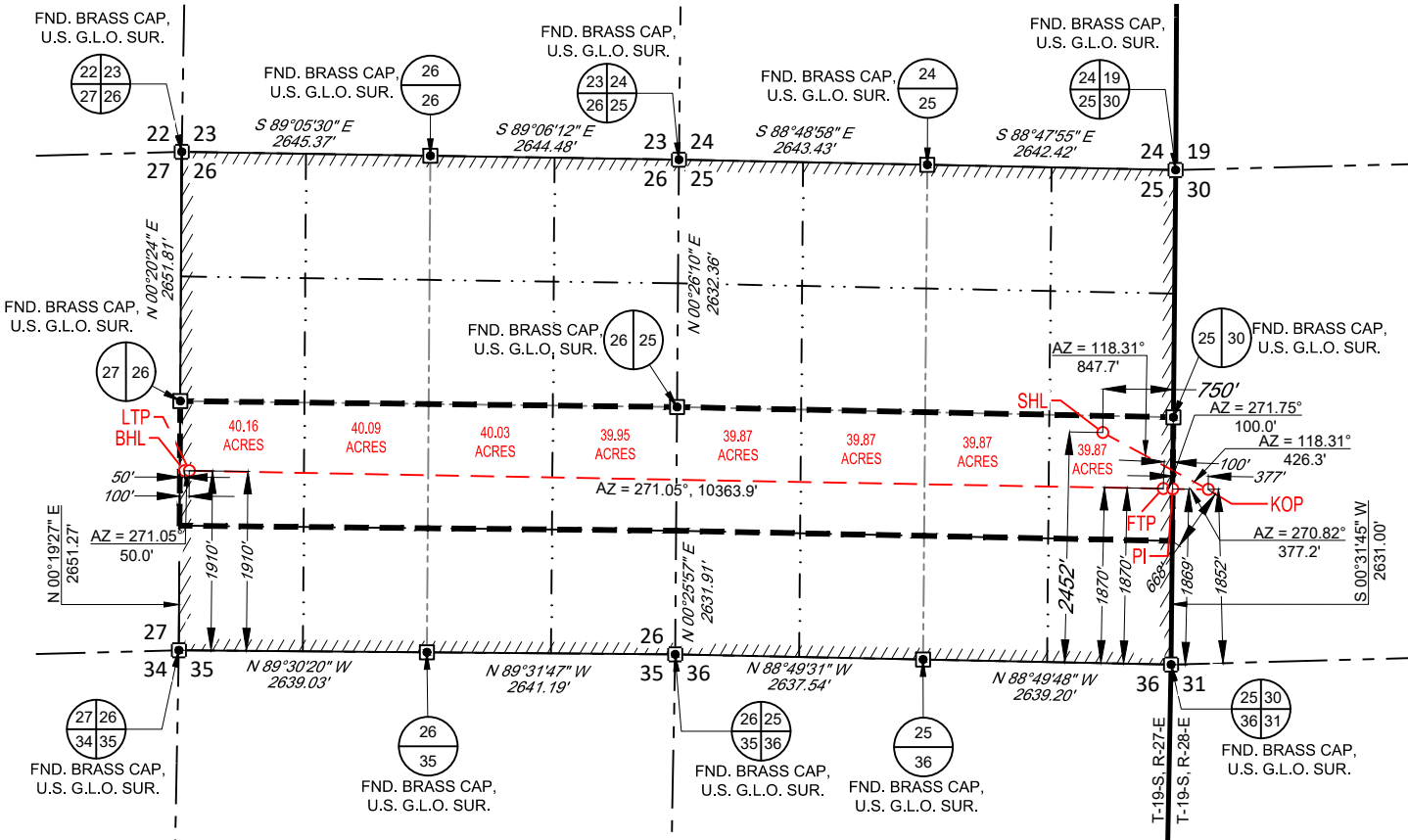
THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY APACHE CORPORATION. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

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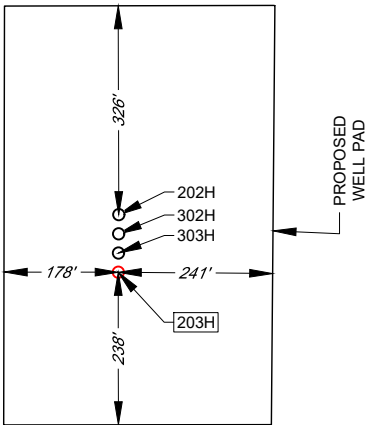


EXHIBIT 2A

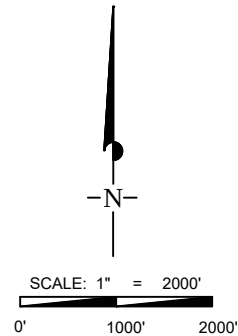
SECTION 25, TOWNSHIP 19-S, RANGE 27-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



SURFACE LOCATION (SHL)	KICK OFF POINT (KOP)	POINT OF INTERSECTION (PI)
NEW MEXICO EAST NAD 1983 X=574276.6 Y=593194.0 LAT.: N 32.63069418 LONG.: W 104.22633511 2452' FSL 750' FEL	NEW MEXICO EAST NAD 1983 X=575398.3 Y=592589.9 LAT.: N 32.62903050 LONG.: W 104.22269363 1852' FSL 377' FWL	NEW MEXICO EAST NAD 1983 X=575021.1 Y=592595.3 LAT.: N 32.62904647 LONG.: W 104.22391871 1869' FSL 0' FEL
FIRST TAKE POINT (FTP)	LAST TAKE POINT (LTP)	BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST NAD 1983 X=574921.2 Y=592598.3 LAT.: N 32.62905513 LONG.: W 104.22424345 1870' FSL 100' FEL	NEW MEXICO EAST NAD 1983 X=564559.0 Y=592787.7 LAT.: N 32.62960034 LONG.: W 104.25790238 1910' FSL 100' FWL	NEW MEXICO EAST NAD 1983 X=564509.0 Y=592788.6 LAT.: N 32.62960295 LONG.: W 104.25806478 1910' FSL 50' FWL



DETAIL VIEW
SCALE: 1" = 300'



LEASE NAME & WELL NO.: CAMACHO 25-26 STATE COM 203H

SECTION 25 TWP 19-S RGE 27-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM
DESCRIPTION 2452' FSL & 750' FEL

DISTANCE & DIRECTION
FROM INT. OF NETHERLIN RD/ CR-236. & ILLINOIS CAMP RD/ CR-206.
GO SOUTH ON ILLINOIS CAMP RD/ CR-206 ±2.0 MILES TO A POINT
±339 FEET EAST OF THE LOCATION.



Angel M. Baeza, P.S. No. 25116

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID
BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY
FEET.

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND
UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF
SURVEY, AND DATA PROVIDED BY APACHE CORPORATION. THIS CERTIFICATION IS MADE AND LIMITED
TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE.
THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.



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LEGEND

—— RANGE LINE
 --- SECTION LINE



SECTION 25, TOWNSHIP 19-S, RANGE 27-E, N.M.P.M.
 EDDY COUNTY, NEW MEXICO

PROPOSED
WELL PAD

SECTION LINE

SCALE: 1" = ###'
 0' ###' ###'

PALMILLO 29-30 STATE COM #376H

PALMILLO 29-30 STATE COM #272H

PALMILLO 29-30 STATE COM #273H

PALMILLO 29-30 STATE COM #377H

CAMACHO 25-26 STATE COM 202H

CENTER OF PAD
 X=574309
 Y=593284
 LAT.: N 32.6309406
 LONG.: W 104.2262308

210'

210'

30'

719'

30'

CAMACHO 25-26 STATE COM 302H

30'

CAMACHO 25-26 STATE COM 303H

178'

241'

3470.2'

CAMACHO 25-26 STATE COM 203H

238'

328'



Angel M. Baeza, P.S. No. 25116

LEASE NAME & WELL NO.: CAMACHO 25-26 STATE COM 203H
 203H LATITUDE N 32.6307766 203H LONGITUDE W 104.2263341

CENTER OF PAD IS 2720' FNL & 719' FEL

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. ELEVATIONS USED ARE NAVD88, OBTAINED THROUGH AN OPUS SOLUTION.

THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY APACHE CORPORATION. ONLY THE DATA SHOWN ABOVE IS BEING CERTIFIED TO. ALL OTHER INFORMATION WAS INTENTIONALLY OMITTED. THIS PLAT IS ONLY INTENDED TO BE USED FOR A PERMIT AND IS NOT A BOUNDARY SURVEY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ORIGINAL DOCUMENT SIZE: 8.5" X 11"



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Apache Corporation

Eddy Co, NM (NAD83 NM E)

Camacho 25 26

Camacho 25-26 State Com 203H

OH

Plan: Plan #2

Standard Planning Report

23 October, 2024



Project: Eddy Co, NM (NAD83 NM E)
 Site: Camacho 25 26
 Well: Camacho 25-26 State Com 203H
 Wellbore: OH
 Design: Plan #2
 Lat: 32.630694
 Long: -104.226335
 GL: 3470.20
 KB: KB=25' @ 3495.20usft

WELLBORE TARGET DETAILS (LAT/LONG)

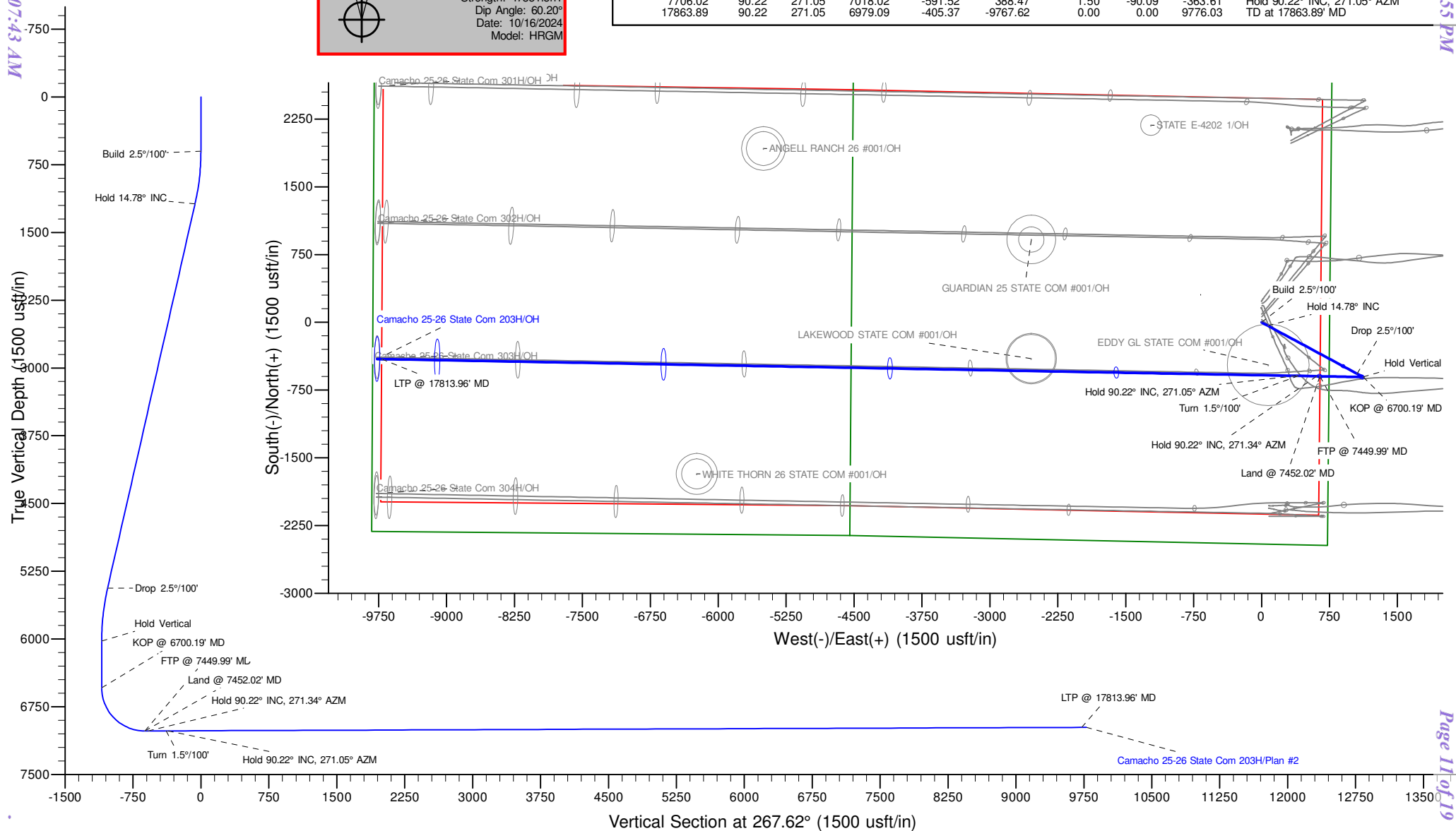
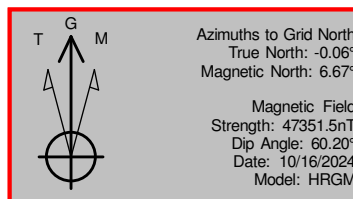
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Camacho 25-26 State COM #203650.00	600.00	-604.11	1121.65	592589.87	575398.28	Point
Camacho 25-26 State COM #203700.00	600.00	-405.37	-9767.62	592788.61	564509.01	Point
Camacho 25-26 State COM #203700.00	600.00	-595.64	644.53	592598.34	574921.16	Point
Camacho 25-26 State COM #203700.00	600.00	-406.29	-9717.62	592787.69	564559.01	Point
Camacho 25-26 State COM #203700.00	600.00	-598.69	744.50	592595.29	575021.13	Point

WELL DETAILS: Camacho 25-26 State Com 203H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	593193.98	574276.63	32.630694	-104.226335

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	Build 2.5°/100'
1191.29	14.78	118.31	1184.75	-35.97	66.78	2.50	118.31	-65.23	Hold 14.78° INC
5589.91	14.78	118.31	5437.79	-568.14	1054.87	0.00	0.00	-1030.40	Drop 2.5°/100'
6181.20	0.00	0.00	6022.54	-604.11	1121.65	2.50	180.00	-1095.64	Hold Vertical
6700.19	0.00	0.00	6541.53	-604.11	1121.65	0.00	0.00	-1095.64	KOP @ 6700.19' MD
7452.02	90.22	270.82	7018.99	-597.25	642.40	12.00	270.82	-617.09	Land @ 7452.02' MD
7486.69	90.22	271.34	7018.86	-596.60	607.74	1.50	90.00	-582.48	Hold 90.22° INC, 271.34° AZM
7686.69	90.22	271.34	7018.09	-591.92	407.80	0.00	0.00	-382.90	Turn 1.5°/100'
7706.02	90.22	271.05	7018.02	-591.52	388.47	1.50	-90.09	-363.61	Hold 90.22° INC, 271.05° AZM
17863.89	90.22	271.05	6979.09	-405.37	-9767.62	0.00	0.00	9776.03	TD at 17863.89' MD



Planning Report

Database:	Fhartmann	Local Co-ordinate Reference:	Well Camacho 25-26 State Com 203H
Company:	Apache Corporation	TVD Reference:	KB=25' @ 3495.20usft
Project:	Eddy Co, NM (NAD83 NM E)	MD Reference:	KB=25' @ 3495.20usft
Site:	Camacho 25 26	North Reference:	Grid
Well:	Camacho 25-26 State Com 203H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Project	Eddy Co, NM (NAD83 NM E)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Camacho 25 26, Site Center : Camacho 25-26 State com 201H				
Site Position:		Northing:	593,284.90 usft	Latitude:	32.630944
From:	Map	Easting:	574,278.00 usft	Longitude:	-104.226331
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "		

Well	Camacho 25-26 State Com 203H					
Well Position	+N/-S	0.00 usft	Northing:	593,193.98 usft	Latitude:	32.630694
	+E/-W	0.00 usft	Easting:	574,276.63 usft	Longitude:	-104.226335
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,470.20 usft
Grid Convergence:		0.06 °				

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	10/16/2024	6.73	60.20	47,351.48398335

Design	Plan #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	267.62

Plan Survey Tool Program	Date	10/23/2024		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	17,862.90	Plan #2 (OH)	MWD+HRGM
				OWSG MWD + HRGM

Planning Report

Database:	Fhartmann	Local Co-ordinate Reference:	Well Camacho 25-26 State Com 203H
Company:	Apache Corporation	TVD Reference:	KB=25' @ 3495.20usft
Project:	Eddy Co, NM (NAD83 NM E)	MD Reference:	KB=25' @ 3495.20usft
Site:	Camacho 25 26	North Reference:	Grid
Well:	Camacho 25-26 State Com 203H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,191.29	14.78	118.31	1,184.75	-35.97	66.78	2.50	2.50	0.00	118.31	
5,589.91	14.78	118.31	5,437.79	-568.14	1,054.87	0.00	0.00	0.00	0.00	
6,181.20	0.00	0.00	6,022.54	-604.11	1,121.65	2.50	-2.50	0.00	180.00	
6,700.19	0.00	0.00	6,541.53	-604.11	1,121.65	0.00	0.00	0.00	0.00	
7,452.02	90.22	270.82	7,018.99	-597.25	642.40	12.00	12.00	0.00	270.82	
7,486.69	90.22	271.34	7,018.86	-596.60	607.74	1.50	0.00	1.50	90.00	
7,686.69	90.22	271.34	7,018.09	-591.92	407.80	0.00	0.00	0.00	0.00	
7,706.02	90.22	271.05	7,018.02	-591.52	388.47	1.50	0.00	-1.50	-90.09	
17,863.89	90.22	271.05	6,979.09	-405.37	-9,767.62	0.00	0.00	0.00	0.00	

Planning Report

Database:	Fhartmann	Local Co-ordinate Reference:	Well Camacho 25-26 State Com 203H
Company:	Apache Corporation	TVD Reference:	KB=25' @ 3495.20usft
Project:	Eddy Co, NM (NAD83 NM E)	MD Reference:	KB=25' @ 3495.20usft
Site:	Camacho 25 26	North Reference:	Grid
Well:	Camacho 25-26 State Com 203H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
Build 2.5°/100'									
700.00	2.50	118.31	699.97	-1.03	1.92	-1.88	2.50	2.50	0.00
800.00	5.00	118.31	799.75	-4.14	7.68	-7.50	2.50	2.50	0.00
900.00	7.50	118.31	899.14	-9.30	17.26	-16.86	2.50	2.50	0.00
1,000.00	10.00	118.31	997.97	-16.51	30.65	-29.94	2.50	2.50	0.00
1,100.00	12.50	118.31	1,096.04	-25.76	47.83	-46.72	2.50	2.50	0.00
1,191.29	14.78	118.31	1,184.75	-35.97	66.78	-65.23	2.50	2.50	0.00
Hold 14.78° INC									
1,200.00	14.78	118.31	1,193.17	-37.02	68.74	-67.15	0.00	0.00	0.00
1,300.00	14.78	118.31	1,289.86	-49.12	91.20	-89.09	0.00	0.00	0.00
1,400.00	14.78	118.31	1,386.55	-61.22	113.67	-111.03	0.00	0.00	0.00
1,500.00	14.78	118.31	1,483.24	-73.32	136.13	-132.97	0.00	0.00	0.00
1,600.00	14.78	118.31	1,579.94	-85.42	158.59	-154.92	0.00	0.00	0.00
1,700.00	14.78	118.31	1,676.63	-97.52	181.06	-176.86	0.00	0.00	0.00
1,800.00	14.78	118.31	1,773.32	-109.61	203.52	-198.80	0.00	0.00	0.00
1,900.00	14.78	118.31	1,870.01	-121.71	225.98	-220.74	0.00	0.00	0.00
2,000.00	14.78	118.31	1,966.70	-133.81	248.45	-242.69	0.00	0.00	0.00
2,100.00	14.78	118.31	2,063.39	-145.91	270.91	-264.63	0.00	0.00	0.00
2,200.00	14.78	118.31	2,160.08	-158.01	293.38	-286.57	0.00	0.00	0.00
2,300.00	14.78	118.31	2,256.77	-170.11	315.84	-308.51	0.00	0.00	0.00
2,400.00	14.78	118.31	2,353.46	-182.21	338.30	-330.46	0.00	0.00	0.00
2,500.00	14.78	118.31	2,450.15	-194.30	360.77	-352.40	0.00	0.00	0.00
2,600.00	14.78	118.31	2,546.84	-206.40	383.23	-374.34	0.00	0.00	0.00
2,700.00	14.78	118.31	2,643.53	-218.50	405.69	-396.28	0.00	0.00	0.00
2,800.00	14.78	118.31	2,740.22	-230.60	428.16	-418.23	0.00	0.00	0.00
2,900.00	14.78	118.31	2,836.91	-242.70	450.62	-440.17	0.00	0.00	0.00
3,000.00	14.78	118.31	2,933.60	-254.80	473.08	-462.11	0.00	0.00	0.00
3,100.00	14.78	118.31	3,030.29	-266.90	495.55	-484.05	0.00	0.00	0.00
3,200.00	14.78	118.31	3,126.98	-278.99	518.01	-506.00	0.00	0.00	0.00
3,300.00	14.78	118.31	3,223.67	-291.09	540.47	-527.94	0.00	0.00	0.00
3,400.00	14.78	118.31	3,320.36	-303.19	562.94	-549.88	0.00	0.00	0.00
3,500.00	14.78	118.31	3,417.05	-315.29	585.40	-571.82	0.00	0.00	0.00
3,600.00	14.78	118.31	3,513.74	-327.39	607.86	-593.77	0.00	0.00	0.00
3,700.00	14.78	118.31	3,610.43	-339.49	630.33	-615.71	0.00	0.00	0.00
3,800.00	14.78	118.31	3,707.12	-351.59	652.79	-637.65	0.00	0.00	0.00
3,900.00	14.78	118.31	3,803.81	-363.68	675.26	-659.59	0.00	0.00	0.00
4,000.00	14.78	118.31	3,900.50	-375.78	697.72	-681.54	0.00	0.00	0.00
4,100.00	14.78	118.31	3,997.19	-387.88	720.18	-703.48	0.00	0.00	0.00
4,200.00	14.78	118.31	4,093.88	-399.98	742.65	-725.42	0.00	0.00	0.00
4,300.00	14.78	118.31	4,190.57	-412.08	765.11	-747.36	0.00	0.00	0.00
4,400.00	14.78	118.31	4,287.26	-424.18	787.57	-769.31	0.00	0.00	0.00
4,500.00	14.78	118.31	4,383.95	-436.28	810.04	-791.25	0.00	0.00	0.00
4,600.00	14.78	118.31	4,480.64	-448.37	832.50	-813.19	0.00	0.00	0.00
4,700.00	14.78	118.31	4,577.33	-460.47	854.96	-835.13	0.00	0.00	0.00
4,800.00	14.78	118.31	4,674.02	-472.57	877.43	-857.08	0.00	0.00	0.00
4,900.00	14.78	118.31	4,770.71	-484.67	899.89	-879.02	0.00	0.00	0.00
5,000.00	14.78	118.31	4,867.41	-496.77	922.35	-900.96	0.00	0.00	0.00

Planning Report

Database:	Fhartmann	Local Co-ordinate Reference:	Well Camacho 25-26 State Com 203H
Company:	Apache Corporation	TVD Reference:	KB=25' @ 3495.20usft
Project:	Eddy Co, NM (NAD83 NM E)	MD Reference:	KB=25' @ 3495.20usft
Site:	Camacho 25 26	North Reference:	Grid
Well:	Camacho 25-26 State Com 203H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,100.00	14.78	118.31	4,964.10	-508.87	944.82	-922.90	0.00	0.00	0.00
5,200.00	14.78	118.31	5,060.79	-520.97	967.28	-944.85	0.00	0.00	0.00
5,300.00	14.78	118.31	5,157.48	-533.07	989.75	-966.79	0.00	0.00	0.00
5,400.00	14.78	118.31	5,254.17	-545.16	1,012.21	-988.73	0.00	0.00	0.00
5,500.00	14.78	118.31	5,350.86	-557.26	1,034.67	-1,010.67	0.00	0.00	0.00
5,589.91	14.78	118.31	5,437.79	-568.14	1,054.87	-1,030.40	0.00	0.00	0.00
Drop 2.5°/100'									
5,600.00	14.53	118.31	5,447.55	-569.35	1,057.12	-1,032.60	2.50	-2.50	0.00
5,700.00	12.03	118.31	5,544.87	-580.24	1,077.34	-1,052.35	2.50	-2.50	0.00
5,800.00	9.53	118.31	5,643.10	-589.11	1,093.81	-1,068.44	2.50	-2.50	0.00
5,900.00	7.03	118.31	5,742.05	-595.94	1,106.48	-1,080.82	2.50	-2.50	0.00
6,000.00	4.53	118.31	5,841.53	-600.71	1,115.35	-1,089.48	2.50	-2.50	0.00
6,100.00	2.03	118.31	5,941.36	-603.43	1,120.39	-1,094.40	2.50	-2.50	0.00
6,181.20	0.00	0.00	6,022.54	-604.11	1,121.65	-1,095.64	2.50	-2.50	0.00
Hold Vertical									
6,200.00	0.00	0.00	6,041.34	-604.11	1,121.65	-1,095.64	0.00	0.00	0.00
6,300.00	0.00	0.00	6,141.34	-604.11	1,121.65	-1,095.64	0.00	0.00	0.00
6,400.00	0.00	0.00	6,241.34	-604.11	1,121.65	-1,095.64	0.00	0.00	0.00
6,500.00	0.00	0.00	6,341.34	-604.11	1,121.65	-1,095.64	0.00	0.00	0.00
6,600.00	0.00	0.00	6,441.34	-604.11	1,121.65	-1,095.64	0.00	0.00	0.00
6,700.19	0.00	0.00	6,541.53	-604.11	1,121.65	-1,095.64	0.00	0.00	0.00
KOP @ 6700.19' MD									
6,725.00	2.98	270.82	6,566.33	-604.10	1,121.01	-1,094.99	12.00	12.00	0.00
6,750.00	5.98	270.82	6,591.25	-604.07	1,119.06	-1,093.05	12.00	12.00	0.00
6,775.00	8.98	270.82	6,616.04	-604.03	1,115.80	-1,089.80	12.00	12.00	0.00
6,800.00	11.98	270.82	6,640.62	-603.96	1,111.26	-1,085.26	12.00	12.00	0.00
6,825.00	14.98	270.82	6,664.93	-603.88	1,105.43	-1,079.44	12.00	12.00	0.00
6,850.00	17.98	270.82	6,688.90	-603.78	1,098.34	-1,072.36	12.00	12.00	0.00
6,875.00	20.98	270.82	6,712.46	-603.66	1,090.01	-1,064.04	12.00	12.00	0.00
6,900.00	23.98	270.82	6,735.56	-603.52	1,080.45	-1,054.50	12.00	12.00	0.00
6,925.00	26.98	270.82	6,758.13	-603.37	1,069.70	-1,043.76	12.00	12.00	0.00
6,950.00	29.98	270.82	6,780.10	-603.19	1,057.78	-1,031.86	12.00	12.00	0.00
6,975.00	32.98	270.82	6,801.42	-603.01	1,044.73	-1,018.83	12.00	12.00	0.00
7,000.00	35.98	270.82	6,822.03	-602.81	1,030.58	-1,004.70	12.00	12.00	0.00
7,025.00	38.98	270.82	6,841.86	-602.59	1,015.38	-989.52	12.00	12.00	0.00
7,050.00	41.98	270.82	6,860.88	-602.36	999.15	-973.31	12.00	12.00	0.00
7,075.00	44.98	270.82	6,879.02	-602.11	981.95	-956.14	12.00	12.00	0.00
7,100.00	47.98	270.82	6,896.23	-601.85	963.83	-938.04	12.00	12.00	0.00
7,125.00	50.98	270.82	6,912.47	-601.58	944.83	-919.07	12.00	12.00	0.00
7,150.00	53.98	270.82	6,927.70	-601.29	925.01	-899.28	12.00	12.00	0.00
7,175.00	56.98	270.82	6,941.86	-601.00	904.41	-878.71	12.00	12.00	0.00
7,200.00	59.98	270.82	6,954.93	-600.69	883.11	-857.44	12.00	12.00	0.00
7,225.00	62.98	270.82	6,966.87	-600.38	861.14	-835.51	12.00	12.00	0.00
7,250.00	65.98	270.82	6,977.64	-600.06	838.59	-812.99	12.00	12.00	0.00
7,275.00	68.98	270.82	6,987.21	-599.73	815.50	-789.93	12.00	12.00	0.00
7,300.00	71.98	270.82	6,995.57	-599.39	791.94	-766.41	12.00	12.00	0.00
7,325.00	74.98	270.82	7,002.68	-599.05	767.98	-742.48	12.00	12.00	0.00
7,350.00	77.98	270.82	7,008.52	-598.70	743.68	-718.21	12.00	12.00	0.00
7,375.00	80.98	270.82	7,013.09	-598.35	719.11	-693.68	12.00	12.00	0.00
7,400.00	83.98	270.82	7,016.36	-597.99	694.33	-668.93	12.00	12.00	0.00
7,425.00	86.98	270.82	7,018.33	-597.64	669.41	-644.05	12.00	12.00	0.00
7,449.99	89.98	270.82	7,018.99	-597.28	644.43	-619.11	12.00	12.00	0.00
FTP @ 7449.99' MD									

Planning Report

Database:	Fhartmann	Local Co-ordinate Reference:	Well Camacho 25-26 State Com 203H
Company:	Apache Corporation	TVD Reference:	KB=25' @ 3495.20usft
Project:	Eddy Co, NM (NAD83 NM E)	MD Reference:	KB=25' @ 3495.20usft
Site:	Camacho 25 26	North Reference:	Grid
Well:	Camacho 25-26 State Com 203H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,452.02	90.22	270.82	7,018.99	-597.25	642.40	-617.09	12.00	12.00	0.00
Land @ 7452.02' MD									
7,486.69	90.22	271.34	7,018.86	-596.60	607.74	-582.48	1.50	0.00	1.50
Hold 90.22° INC, 271.34° AZM									
7,500.00	90.22	271.34	7,018.81	-596.28	594.43	-569.20	0.00	0.00	0.00
7,600.00	90.22	271.34	7,018.42	-593.95	494.46	-469.41	0.00	0.00	0.00
7,686.69	90.22	271.34	7,018.09	-591.92	407.80	-382.90	0.00	0.00	0.00
Turn 1.5°/100'									
7,706.02	90.22	271.05	7,018.02	-591.52	388.47	-363.61	1.50	0.00	-1.50
Hold 90.22° INC, 271.05° AZM									
7,800.00	90.22	271.05	7,017.66	-589.79	294.51	-269.80	0.00	0.00	0.00
7,900.00	90.22	271.05	7,017.27	-587.96	194.52	-169.98	0.00	0.00	0.00
8,000.00	90.22	271.05	7,016.89	-586.13	94.54	-70.16	0.00	0.00	0.00
8,100.00	90.22	271.05	7,016.51	-584.30	-5.44	29.66	0.00	0.00	0.00
8,200.00	90.22	271.05	7,016.12	-582.46	-105.42	129.48	0.00	0.00	0.00
8,300.00	90.22	271.05	7,015.74	-580.63	-205.41	229.31	0.00	0.00	0.00
8,400.00	90.22	271.05	7,015.36	-578.80	-305.39	329.13	0.00	0.00	0.00
8,500.00	90.22	271.05	7,014.97	-576.97	-405.37	428.95	0.00	0.00	0.00
8,600.00	90.22	271.05	7,014.59	-575.13	-505.35	528.77	0.00	0.00	0.00
8,700.00	90.22	271.05	7,014.21	-573.30	-605.34	628.59	0.00	0.00	0.00
8,800.00	90.22	271.05	7,013.82	-571.47	-705.32	728.41	0.00	0.00	0.00
8,900.00	90.22	271.05	7,013.44	-569.64	-805.30	828.23	0.00	0.00	0.00
9,000.00	90.22	271.05	7,013.06	-567.80	-905.28	928.05	0.00	0.00	0.00
9,100.00	90.22	271.05	7,012.67	-565.97	-1,005.27	1,027.87	0.00	0.00	0.00
9,200.00	90.22	271.05	7,012.29	-564.14	-1,105.25	1,127.69	0.00	0.00	0.00
9,300.00	90.22	271.05	7,011.91	-562.31	-1,205.23	1,227.51	0.00	0.00	0.00
9,400.00	90.22	271.05	7,011.52	-560.47	-1,305.21	1,327.33	0.00	0.00	0.00
9,500.00	90.22	271.05	7,011.14	-558.64	-1,405.20	1,427.15	0.00	0.00	0.00
9,600.00	90.22	271.05	7,010.76	-556.81	-1,505.18	1,526.97	0.00	0.00	0.00
9,700.00	90.22	271.05	7,010.38	-554.98	-1,605.16	1,626.79	0.00	0.00	0.00
9,800.00	90.22	271.05	7,009.99	-553.14	-1,705.14	1,726.61	0.00	0.00	0.00
9,900.00	90.22	271.05	7,009.61	-551.31	-1,805.13	1,826.43	0.00	0.00	0.00
10,000.00	90.22	271.05	7,009.23	-549.48	-1,905.11	1,926.25	0.00	0.00	0.00
10,100.00	90.22	271.05	7,008.84	-547.65	-2,005.09	2,026.07	0.00	0.00	0.00
10,200.00	90.22	271.05	7,008.46	-545.81	-2,105.07	2,125.89	0.00	0.00	0.00
10,300.00	90.22	271.05	7,008.08	-543.98	-2,205.06	2,225.72	0.00	0.00	0.00
10,400.00	90.22	271.05	7,007.69	-542.15	-2,305.04	2,325.54	0.00	0.00	0.00
10,500.00	90.22	271.05	7,007.31	-540.32	-2,405.02	2,425.36	0.00	0.00	0.00
10,600.00	90.22	271.05	7,006.93	-538.48	-2,505.00	2,525.18	0.00	0.00	0.00
10,700.00	90.22	271.05	7,006.54	-536.65	-2,604.99	2,625.00	0.00	0.00	0.00
10,800.00	90.22	271.05	7,006.16	-534.82	-2,704.97	2,724.82	0.00	0.00	0.00
10,900.00	90.22	271.05	7,005.78	-532.99	-2,804.95	2,824.64	0.00	0.00	0.00
11,000.00	90.22	271.05	7,005.39	-531.15	-2,904.93	2,924.46	0.00	0.00	0.00
11,100.00	90.22	271.05	7,005.01	-529.32	-3,004.91	3,024.28	0.00	0.00	0.00
11,200.00	90.22	271.05	7,004.63	-527.49	-3,104.90	3,124.10	0.00	0.00	0.00
11,300.00	90.22	271.05	7,004.24	-525.66	-3,204.88	3,223.92	0.00	0.00	0.00
11,400.00	90.22	271.05	7,003.86	-523.82	-3,304.86	3,323.74	0.00	0.00	0.00
11,500.00	90.22	271.05	7,003.48	-521.99	-3,404.84	3,423.56	0.00	0.00	0.00
11,600.00	90.22	271.05	7,003.09	-520.16	-3,504.83	3,523.38	0.00	0.00	0.00
11,700.00	90.22	271.05	7,002.71	-518.32	-3,604.81	3,623.20	0.00	0.00	0.00
11,800.00	90.22	271.05	7,002.33	-516.49	-3,704.79	3,723.02	0.00	0.00	0.00
11,900.00	90.22	271.05	7,001.94	-514.66	-3,804.77	3,822.84	0.00	0.00	0.00
12,000.00	90.22	271.05	7,001.56	-512.83	-3,904.76	3,922.66	0.00	0.00	0.00

Planning Report

Database:	Fhartmann	Local Co-ordinate Reference:	Well Camacho 25-26 State Com 203H
Company:	Apache Corporation	TVD Reference:	KB=25' @ 3495.20usft
Project:	Eddy Co, NM (NAD83 NM E)	MD Reference:	KB=25' @ 3495.20usft
Site:	Camacho 25 26	North Reference:	Grid
Well:	Camacho 25-26 State Com 203H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,100.00	90.22	271.05	7,001.18	-510.99	-4,004.74	4,022.48	0.00	0.00	0.00
12,200.00	90.22	271.05	7,000.79	-509.16	-4,104.72	4,122.30	0.00	0.00	0.00
12,300.00	90.22	271.05	7,000.41	-507.33	-4,204.70	4,222.13	0.00	0.00	0.00
12,400.00	90.22	271.05	7,000.03	-505.50	-4,304.69	4,321.95	0.00	0.00	0.00
12,500.00	90.22	271.05	6,999.65	-503.66	-4,404.67	4,421.77	0.00	0.00	0.00
12,600.00	90.22	271.05	6,999.26	-501.83	-4,504.65	4,521.59	0.00	0.00	0.00
12,700.00	90.22	271.05	6,998.88	-500.00	-4,604.63	4,621.41	0.00	0.00	0.00
12,800.00	90.22	271.05	6,998.50	-498.17	-4,704.62	4,721.23	0.00	0.00	0.00
12,900.00	90.22	271.05	6,998.11	-496.33	-4,804.60	4,821.05	0.00	0.00	0.00
13,000.00	90.22	271.05	6,997.73	-494.50	-4,904.58	4,920.87	0.00	0.00	0.00
13,100.00	90.22	271.05	6,997.35	-492.67	-5,004.56	5,020.69	0.00	0.00	0.00
13,200.00	90.22	271.05	6,996.96	-490.84	-5,104.55	5,120.51	0.00	0.00	0.00
13,300.00	90.22	271.05	6,996.58	-489.00	-5,204.53	5,220.33	0.00	0.00	0.00
13,400.00	90.22	271.05	6,996.20	-487.17	-5,304.51	5,320.15	0.00	0.00	0.00
13,500.00	90.22	271.05	6,995.81	-485.34	-5,404.49	5,419.97	0.00	0.00	0.00
13,600.00	90.22	271.05	6,995.43	-483.51	-5,504.48	5,519.79	0.00	0.00	0.00
13,700.00	90.22	271.05	6,995.05	-481.67	-5,604.46	5,619.61	0.00	0.00	0.00
13,800.00	90.22	271.05	6,994.66	-479.84	-5,704.44	5,719.43	0.00	0.00	0.00
13,900.00	90.22	271.05	6,994.28	-478.01	-5,804.42	5,819.25	0.00	0.00	0.00
14,000.00	90.22	271.05	6,993.90	-476.18	-5,904.41	5,919.07	0.00	0.00	0.00
14,100.00	90.22	271.05	6,993.51	-474.34	-6,004.39	6,018.89	0.00	0.00	0.00
14,200.00	90.22	271.05	6,993.13	-472.51	-6,104.37	6,118.71	0.00	0.00	0.00
14,300.00	90.22	271.05	6,992.75	-470.68	-6,204.35	6,218.54	0.00	0.00	0.00
14,400.00	90.22	271.05	6,992.36	-468.85	-6,304.34	6,318.36	0.00	0.00	0.00
14,500.00	90.22	271.05	6,991.98	-467.01	-6,404.32	6,418.18	0.00	0.00	0.00
14,600.00	90.22	271.05	6,991.60	-465.18	-6,504.30	6,518.00	0.00	0.00	0.00
14,700.00	90.22	271.05	6,991.21	-463.35	-6,604.28	6,617.82	0.00	0.00	0.00
14,800.00	90.22	271.05	6,990.83	-461.52	-6,704.27	6,717.64	0.00	0.00	0.00
14,900.00	90.22	271.05	6,990.45	-459.68	-6,804.25	6,817.46	0.00	0.00	0.00
15,000.00	90.22	271.05	6,990.06	-457.85	-6,904.23	6,917.28	0.00	0.00	0.00
15,100.00	90.22	271.05	6,989.68	-456.02	-7,004.21	7,017.10	0.00	0.00	0.00
15,200.00	90.22	271.05	6,989.30	-454.19	-7,104.20	7,116.92	0.00	0.00	0.00
15,300.00	90.22	271.05	6,988.92	-452.35	-7,204.18	7,216.74	0.00	0.00	0.00
15,400.00	90.22	271.05	6,988.53	-450.52	-7,304.16	7,316.56	0.00	0.00	0.00
15,500.00	90.22	271.05	6,988.15	-448.69	-7,404.14	7,416.38	0.00	0.00	0.00
15,600.00	90.22	271.05	6,987.77	-446.86	-7,504.13	7,516.20	0.00	0.00	0.00
15,700.00	90.22	271.05	6,987.38	-445.02	-7,604.11	7,616.02	0.00	0.00	0.00
15,800.00	90.22	271.05	6,987.00	-443.19	-7,704.09	7,715.84	0.00	0.00	0.00
15,900.00	90.22	271.05	6,986.62	-441.36	-7,804.07	7,815.66	0.00	0.00	0.00
16,000.00	90.22	271.05	6,986.23	-439.53	-7,904.06	7,915.48	0.00	0.00	0.00
16,100.00	90.22	271.05	6,985.85	-437.69	-8,004.04	8,015.30	0.00	0.00	0.00
16,200.00	90.22	271.05	6,985.47	-435.86	-8,104.02	8,115.12	0.00	0.00	0.00
16,300.00	90.22	271.05	6,985.08	-434.03	-8,204.00	8,214.94	0.00	0.00	0.00
16,400.00	90.22	271.05	6,984.70	-432.20	-8,303.99	8,314.77	0.00	0.00	0.00
16,500.00	90.22	271.05	6,984.32	-430.36	-8,403.97	8,414.59	0.00	0.00	0.00
16,600.00	90.22	271.05	6,983.93	-428.53	-8,503.95	8,514.41	0.00	0.00	0.00
16,700.00	90.22	271.05	6,983.55	-426.70	-8,603.93	8,614.23	0.00	0.00	0.00
16,800.00	90.22	271.05	6,983.17	-424.87	-8,703.92	8,714.05	0.00	0.00	0.00
16,900.00	90.22	271.05	6,982.78	-423.03	-8,803.90	8,813.87	0.00	0.00	0.00
17,000.00	90.22	271.05	6,982.40	-421.20	-8,903.88	8,913.69	0.00	0.00	0.00
17,100.00	90.22	271.05	6,982.02	-419.37	-9,003.86	9,013.51	0.00	0.00	0.00
17,200.00	90.22	271.05	6,981.63	-417.54	-9,103.85	9,113.33	0.00	0.00	0.00
17,300.00	90.22	271.05	6,981.25	-415.70	-9,203.83	9,213.15	0.00	0.00	0.00
17,400.00	90.22	271.05	6,980.87	-413.87	-9,303.81	9,312.97	0.00	0.00	0.00

Planning Report

Database:	Fhartmann	Local Co-ordinate Reference:	Well Camacho 25-26 State Com 203H
Company:	Apache Corporation	TVD Reference:	KB=25' @ 3495.20usft
Project:	Eddy Co, NM (NAD83 NM E)	MD Reference:	KB=25' @ 3495.20usft
Site:	Camacho 25 26	North Reference:	Grid
Well:	Camacho 25-26 State Com 203H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,500.00	90.22	271.05	6,980.48	-412.04	-9,403.79	9,412.79	0.00	0.00	0.00
17,600.00	90.22	271.05	6,980.10	-410.21	-9,503.78	9,512.61	0.00	0.00	0.00
17,700.00	90.22	271.05	6,979.72	-408.37	-9,603.76	9,612.43	0.00	0.00	0.00
17,800.00	90.22	271.05	6,979.33	-406.54	-9,703.74	9,712.25	0.00	0.00	0.00
17,813.96	90.22	271.05	6,979.28	-406.29	-9,717.70	9,726.19	0.00	0.00	0.00
LTP @ 17813.96' MD									
17,863.89	90.22	271.05	6,979.09	-405.37	-9,767.62	9,776.03	0.00	0.00	0.00
TD at 17863.89' MD									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Camacho 25-26 State C - plan hits target center - Point	0.00	0.00	6,500.00	-604.11	1,121.65	592,589.87	575,398.28	32.629031	-104.222694
Camacho 25-26 State C - plan misses target center by 20.91usft at 17863.81usft MD (6979.09 TVD, -405.37 N, -9767.54 E) - Point	0.00	0.00	7,000.00	-405.37	-9,767.62	592,788.61	564,509.01	32.629603	-104.258065
Camacho 25-26 State C - plan misses target center by 19.07usft at 7449.41usft MD (7018.99 TVD, -597.29 N, 645.01 E) - Point	0.00	0.00	7,000.00	-595.64	644.53	592,598.34	574,921.16	32.629055	-104.224244
Camacho 25-26 State C - plan misses target center by 8.16usft at 7347.21usft MD (7007.93 TVD, -598.74 N, 746.41 E) - Point	0.00	0.00	7,000.00	-598.69	744.50	592,595.30	575,021.14	32.629047	-104.223919
Camacho 25-26 State C - plan misses target center by 20.72usft at 17813.81usft MD (6979.28 TVD, -406.29 N, -9717.55 E) - Point	0.00	0.01	7,000.00	-406.29	-9,717.62	592,787.70	564,559.01	32.629600	-104.257903

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
600.00	600.00	0.00	0.00	Build 2.5°/100'
1,191.29	1,184.75	-35.97	66.78	Hold 14.78° INC
5,589.91	5,437.79	-568.14	1,054.87	Drop 2.5°/100'
6,181.20	6,022.54	-604.11	1,121.65	Hold Vertical
6,700.19	6,541.53	-604.11	1,121.65	KOP @ 6700.19' MD
7,449.99	7,018.99	-597.28	644.43	FTP @ 7449.99' MD
7,452.02	7,018.99	-597.25	642.40	Land @ 7452.02' MD
7,486.69	7,018.86	-596.60	607.74	Hold 90.22° INC, 271.34° AZM
7,686.69	7,018.09	-591.92	407.80	Turn 1.5°/100'
7,706.02	7,018.02	-591.52	388.47	Hold 90.22° INC, 271.05° AZM
17,813.96	6,979.28	-406.29	-9,717.70	LTP @ 17813.96' MD
17,863.89	6,979.09	-405.37	-9,767.62	TD at 17863.89' MD

District I
1625 N. French Dr., Hobbs, NM 88240
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Phone:(505) 334-6178 Fax:(505) 334-6170
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1220 S. St Francis Dr., Santa Fe, NM 87505
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 396820

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 396820
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply.	11/7/2024
ward.rikala	If cement is not circulated to surface during cementing operations, a Cement Bond Log (CBL) is required.	11/7/2024